\sim	BAY AREA AIR QUALITY	Form ICE									
	939 Ellis Street, San Franc			Internal Combustion Engines							
	Engineering Division	. ,									
	www.baaqmd.gov fax	(415) 749-5030									
Form ICE is to be completed for all internal combustion engines except turbines. (For turbines, submit Form C). Submit one form for each engine. If this is a new engine or a modification to an existing engine, you must also complete Form HRSA Health Risk Screen Analysis. Additional forms and all District regulations and rules are available on the District's web site. Contact your assigned permit engineer or the Engineering Division at the above telephone number if you need assistance completing this form. Please include the engine manufacturer's equipment specifications.											
1. SUMMARY	New Construction	Modification	Loss of Exen	nption							
Company Nam	10			Plant No.*							
Source Description Source No.*											
Initial Date of Operation (Not required for modification of an existing permitted source) *(If unknown leave blank)											
Operating Sch	edule Typical hrs/day	Days/week	Weeks/yr	Maximu	m hrs/day						
2. ENGINE INI	FORMATION Check here	e if applying for a portable ed	quipment permit. (Se	ee Reg. 2-1-413 for i	equirements))					
Engine Type: ((Check one) 🗌 4 Stroke 🔲	2 Stroke Compression Igniti	on (Diesel) or	4 Stroke 2 St	roke Spark I	gnition					
Engine Manufa	acturer	Model		Model \	'ear						
	Engine Manufacturer Model Model Year EPA/CARB Engine Family Name Engine Serial No.										
	cement (cu in)										
] Yes 🗌 No			_						
	check all that apply)										
Certification:	EPA Certified CAR	B Certified CARB Executiv	/e Order No.								
None (If None is checked, please indicate below the items applicable to this engine.)											
	Naturally aspirated		Turbocharged		After-c	cooled					
	Timing retard $\geq 4^{\circ}$		 □ Rich-burn	_	—						
Primary Use:	Electrical generation			Fire pump driver							
Fillinary USE.	Compressor driver	C	Other:								
2 ADATEMEN	NT DEVICE INFORMATION Co	-		to an add on abatam	ont dovico						
🗌 Check he	ere if the engine has more than entitled device.	one add-on abatement devid	e engline exhausis	eparate Form A for e	ent device. each additiona	al					
Abatement dev	vice number A	(If unknown leave blank)	🗌 New 🗌 Exis	sting							
Device type:	Diesel catalyzed particula	ate filter	alyst 🗌 Selectiv	ve catalytic reduction	(SCR)						
	Non-selective catalytic re	duction (NSCR or 3-way cat	alyst) Dther:								
Make, Model, a	and Rated Capacity										
Abatement dev	vice control efficiencies at typica	l operation (Use the basis of	odes listed below.	lf unknown leave bla	ink)						
	y/Emission Factor Basis Codes: (S			Pollutant Name	Wt % Reduction	Basis Code					
(1) Source test	ing or other measurement by plant	(8) Gue	SS	Particulates							
(2) Source test	ing or measurement by BAAQMD(Organics									
(3) Specificatio	on from vendor	Nitrogen Oxides									
(4) Material ba	lance by plant using knowledge of p	rocess		Sulfur Dioxide							
(5) Material ba	lance by BAAQMD (District use only	Carbon Monoxide									
()	nent AP-42 Emission Factors literature other than AP-42	Others – Check here and attach a separate list of pollutants. Include the basis code and the control efficiency.									

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Form ICE

Internal Combustion Engines

4. EMISSION POINT/STACK INFORMATION Check here if the engine has more than one stack or has a continuous pollutant emission monitor and complete one Form P for each emission point.												
Emission point number P (If unknown leave blank)												
Stack outlet height from ground level <i>(ft)</i>												
Diameter of stack outlet (inches) or Outlet cross-section area (square inches)												
Direction of outlet (<i>check one</i>)												
Exhaust rate at typical operation ($acfm$) Exhaust temperature at typical operation (eff)												
5. RISK ASSESSMENT INFORMATION.												
Distance from engine to the property line of the nearest residence (<i>ft</i>) or (<i>check if</i>) Greater than one $(h + i)$												
Distance from engine to the property line of the nearest school ¹ (<i>ft</i>) (ft) or (<i>check if</i>) \Box Greater than 1000 ft												
Describe the nearest non-residential, non-school site <i>(check one)</i>												
Day care center Other												
Distance from engi	ne to the propert	y line of the ne	earest no	on-resider	ntial, non- school site	e <i>(ft)</i> 0	r 🗌 Great	er than o	one mile			
1. K-12 and more th	nan twelve children	only.										
6. FUEL DATA Complete the table below for each fuel burned. If you are using a fuel other than those listed in the fuel code table, attach a fuel analysis indicating the higher heating value, sulfur content, and nitrogen content. Please clearly indicate the measurement unit that corresponds to the information you are submitting. \Box Check here if you are using more than two fuels, and attach a copy of this page listing the additional fuels.												
Primary Fuel						Secondary F	uel					
Fuel Code ¹	Name				Fuel Code ¹	Name	-					
Maximum Fuel Use	Rate ²		gal/hr o	r SCF/hr	Maximum Fuel Use Rate ² gal/hr or SCF/hr							
Annual Fuel Usage ³	•	gal/yr or th	nerm/yr o	r SCF/yr	Annual Fuel Usage ³		gal/yr or therm/yr or SCF/yr					
Typical Heat Conter	nt ⁴	BTU	/gal or B1	TU/SCF	Typical Heat Conter	Content ⁴ BTU/gal or BTU/SCF						
Sulfur Content ⁴		wt% liquid	s or ppm	v gases	Sulfur Content ⁴		wt% liquid	ls or ppm	v gases			
Emission Factors (Optional)					Emission Factors	s (Optional)						
Pollutant Name	Emission Factor	Units⁵	Basis Code ⁶	Abated Factor $(\sqrt{)}^7$	Pollutant Name	Emission Factor	Units⁵	Basis Code ⁶	Abated Factor $(\sqrt{)}^7$			
Particulates					Particulates							
Organics					Organics							
Nitrogen Oxides					Nitrogen Oxides							
Carbon Monoxide					Carbon Monoxide							
Others – 🗌 Check	here and attach a s	eparate list und	er each fu	uel used.	Others – 🗌 Check	here and attach a se	parate list und	er each fu	iel used.			
1. Fuel Codes: Diesel (98) Natural Gas (189) Bio Diesel B100 (815) Landfill Gas (511) Bio Diesel B20 Blend (816) Digester Gas (493) Gasoline (551) Liquid Petroleum Gas (LPG) (160) 2. Maximum fuel use rate units: gallon/hr for liquid fuels and SCF/hr for gaseous fuels. (SCF =Standard Cubic Foot) The annual fuel usage is the actual or projected engine fuel consumption over a rolling 12-month time period. Annual usage units: gallons for liquid fuel, therms for natural gas, or gasoline, you may skip this entry. Heat content units: BTU/gallon for liquid fuels, BTU/SCF for gaseous fuels. Sulfur content units: weight % for liquid fuels, ppmv for gaseous fuels. (ppmv = parts per million by volume) 5. Emission factors may be reported as gram/brakehp-hr, or as lb per gallon, or as lb per therm, or as lb per SCF. Emission factors may be reported as gram/brakehp-hr, or as lb per gallon, or as lb per sterm. 7. Place a check in this column if the emission factor applies to emissions <u>after</u> abatement by an add-on abatement device. 7. CERTIFICATION I hereby certify that all information contained herein is true and correct. (Please sign and date this form) Name of person certifying (print) Title of person certifying Signature of person certifying Date												
Approved By: Date: (District Use Only)			Entered By:		Date prm ICE Rev 03/		e 2 of 2					